## WHAT IS CLAIMED IS:

- 1 1. A semiconductor package comprising:
- a package body, containing an integrated-circuit chip having an optical sensor,
- 3 that can be fitted into an object having two parts suitable for being coupled, and in which
- 4 package a board provided with electrical connection tracks is placed in a position such that the
- 5 optical sensor is located facing an opening in this object;
- 6 wherein the said package body carries, on the one hand, resilient rear electrical
- 7 connection leads that project from its rear face and are electrically connected to the said chip and
- 8 has, on the other hand, a front bearing surface such that, when the said package body is fitted
- 9 into the said object and when the said parts of this object are coupled, the front bearing surface of
- the said body bears on an inner surface of a part of the object and the said resilient rear leads bear
- resiliently on the respective electrical connection tracks of the board.
- 1 2. The package according to Claim 1, wherein the said package body and the object
- 2 have respective positioning surfaces that are perpendicular to the said bearing surfaces.
- 1 3. The package according to Claim 1, wherein the object has an internal housing for
- 2 housing part of the package body.
- 1 4. The package according to Claim 1, wherein the resilient rear electrical connection
- 2 leads are curved.

- 1 5. The package according to Claim 1, wherein the optical sensor is located on an opposite side from the said resilient rear electrical connection leads.
- 1 6. The package according to Claim 1, wherein the internal surface of the object
- 2 extends around the aforementioned opening.

1	7.	A product, comprising:	
2		a first cover;	
3		a printed circuit board associated with the first cover;	
4		a semiconductor package having a first surface and a second surface, the package	
5	including a pl	lurality of resilient electrical connection leads extending from the first surface, the	
6	semiconducto	r package positioned with its first surface adjacent the printed circuit board; and	
7		a second cover mating with the first cover to define a cavity enclosing the printed	
8	circuit board and the semiconductor package, the mating of the second cover to the first cover		
9	exerting pressure against the second surface of the semiconductor package and causing the		
10	resilient electrical connection leads to bear resiliently on the printed circuit board.		
1	8.	The product as in claim 7, wherein the second cover has an internal housing for	
2	housing part of the semiconductor package.		
1	9.	The product as in claim 7, wherein the resilient electrical connection leads are	
2	curved.		
1	10.	The product as in claim 7 wherein the semiconductor package includes an optical	
2	sensor assembly associated with the second surface and wherein the second cover includes a		
3	aperture therein aligned with the optical sensor assembly when the second cover is mated with		
4	the first cover.		

1	11.	A product, comprising:	
2		a split enclosure that mates together;	
3		a printed circuit board located within the enclosure;	
4		a semiconductor package also located within the enclosure, the package including	
5	a plurality of resilient electrical connection leads extending therefrom and positioned in contac		
6	with the prin	ted circuit board, the leads being resiliently deformed in response to pressure	
7	exerted by mating of the split enclosure on opposite sides of the semiconductor package and		
8	printed circuit board.		
1	12.	The product as in claim 11, wherein the second cover has an internal housing for	
2	housing part of the semiconductor package.		
1	13.	The product as in claim 11, wherein the resilient electrical connection leads are	
2	curved.		
1	14.	The product as in claim 11 wherein the semiconductor package includes an	
2	optical sensor	assembly and wherein the split enclosure includes an aperture therein aligned with	
3	the optical ser	nsor assembly when the split enclosure is mated.	

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15. A semiconductor package comprising:

2	an integrated circuit chip;		
3	a metal leadframe to which the integrated circuit chip is attached, the metal		
4	leadframe including a plurality of electrical connection leads made of a pressure deformable		
5	resilient material;		
6	a package encapsulating the integrated circuit chip and metal leadframe, the		
7	plurality of electrical connection leads extending therefrom in a curved shape under a bottom		
8	surface thereof.		
1	16. The package of claim 15 wherein the integrated circuit chip includes an optical		
2	sensor and the package includes an aperture aligned with the optical sensor.		

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1	17.	A semiconductor package, comprising:
2		an integrated circuit chip;
3		a plurality of electrical connection leads made of a pressure deformable resilient
4	material, each	lead having a first and second end; and
5		a package enclosing the integrated circuit chip and through which a central
6	portion of eac	th lead passes, the package causing the first end of each lead to resiliently contact a
7	surface of the	integrated circuit chip and the second end of each lead extending from the package
8	in a curved shape under a bottom surface thereof.	
1	18.	The package of claim 17 wherein the integrated circuit chip includes an optical
2	sensor and the	e package includes an aperture aligned with the optical sensor.